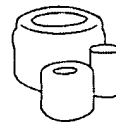
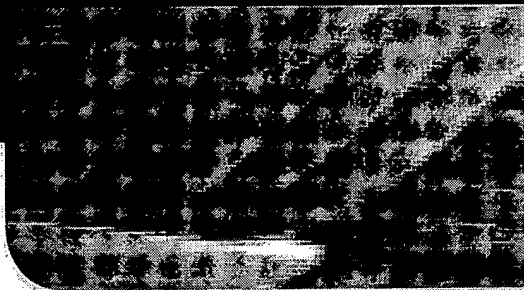


# EXHIBIT A



Paper  
Carrier  
Ropes

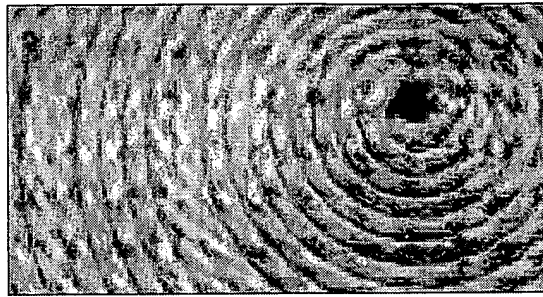
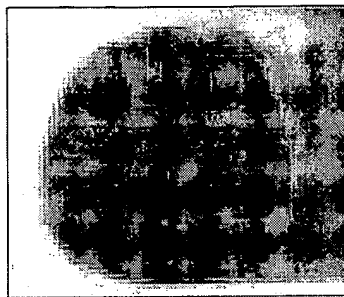
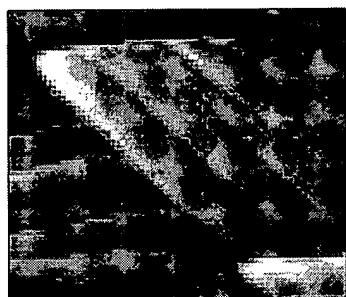
**POWERLINE  
POWERLINE XLS**

**Lanex**  
INDUTEX

# PAPER CARRIER ROPES

## POWERLINE, POWERLINE XLS

LANEX – Powerline Paper Carrier Ropes are made from multifilament polyamide fibres. The single fibres are treated by a unique impregnation, the chemical formulation was developed by the LANEX laboratory. Under the E – microscope, the deeply penetration of the treatment into the fibres can be seen (red and white parts).

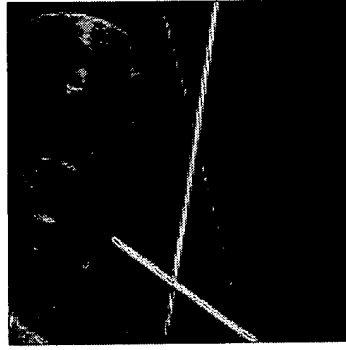
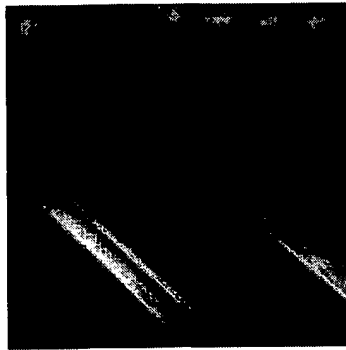
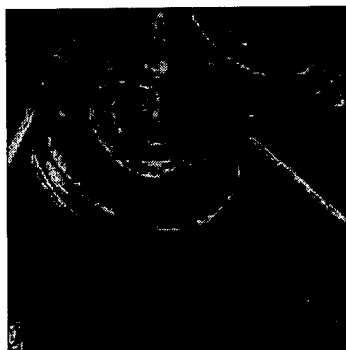
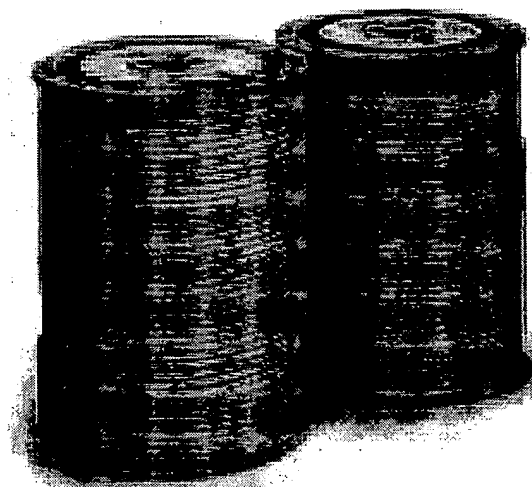


Therefore also the water absorption of LANEX paper carrier ropes is extremely low. Thus prevents fibre-breaking and gives longer lifetime at lower elongation. By using a Ultra High Temperature heat setting process, the maximum of rope-stretch is taken out. The ropes are uniform and equal meter by meter.

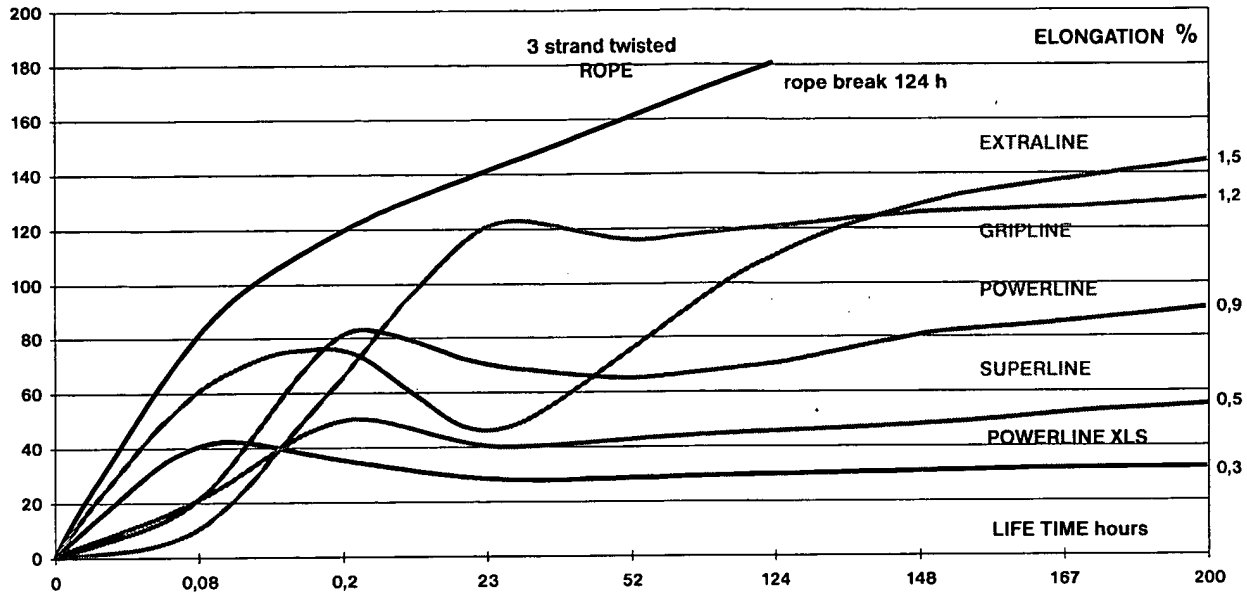
The LANEX rope production represents latest standard of technology. Modern machines are operated by highly qualified operators. The efficient Quality management guarantees a full control of every rope produced. LANEX is ISO 9001 certified.

LANEX has the experience for making ropes since many years. LANEX ropes are used for anchoring, mooring and towing ships, for fishing and nettings, in the industry, for sailing and mountaineering.

Paper Carrier Ropes must not be used for any other purposes. They will not meet minimum standards for other applications i.e. lifting ropes. No responsibility will be taken by LANEX or their agents or distributors, if the rope will be used for other purposes than as a Paper Carrier Rope.

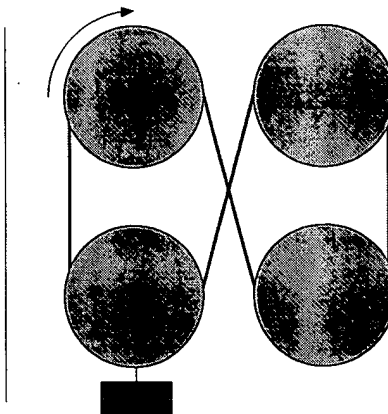


## COMPARISON LIFE TIME AND DYNAMIC ELONGATION LANEX ABRASION / ROPE CROSSING TEST / WET CONDITION



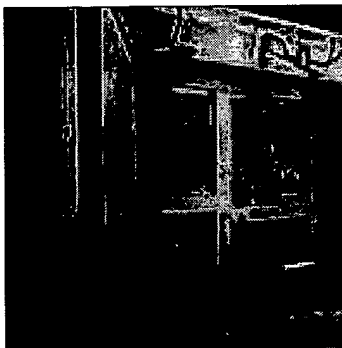
NOTE: ALL DATAS AND NUMBERS GIVEN IN THIS BROCHURE OUTCOMED BY USING THE LANEX LABORATORY TEST - METHODES. THE BEHAVIOUR OF THE ROPES IN PRACTICE MUST BE TESTED INDIVIDUALLY BY THE CUSTOMER.

With **POWERLINE XLS** - neon - LANEX offers a new type of PCR showing extra low stretch. Thanks to the unique double thermosetting process, the dynamic elongation is reduced to an absolute minimum. The permanent "neon- impregnation" cannot be washed out by water or chemicals, it stays on the fibres during life time.



### LANEX own testing equipment

simulates extreme abrasive, hot and wet conditions, as they often can be found in a paper machine.

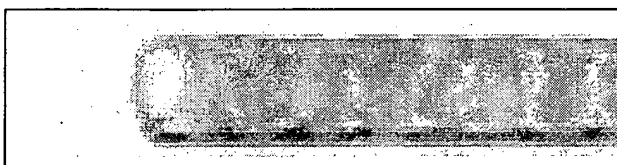


Consequent and continuous research and development pushed LANEX Paper Carrier Ropes in front. LANEX engineers, chemists and rope - experts form a team with highest competence.



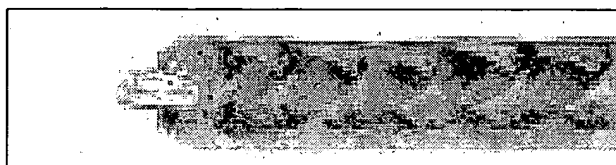
## THE PROGRAM POWERLINE, POWERLINE XLS

		POWERLINE UNO WITHOUT CORE								POWERLINE DUO WITH CORE					
type	mm	8,5	10	10,5	11	11,5	12	13	15	8,5	10	11	12	13	15
weight	g/m	31,5	38,5	44	56,0	62	70,5	78,0	99,5	44	55,5	64,0	72,5	82,0	129
breaking strength	kg	1520	1700	2000	2400	2650	3000	3700	4200	1700	2200	2600	3000	3600	4200
breaking strength	lbs	3355	3750	4415	5300	5850	6620	8160	9270	3750	4850	5740	6620	7950	9270
construction		hollow braiding without core								hollow braided with core					
impregnation		multicomponent intensive impregnation								multicomponent intensive impregnation					
stabilisation		(UHT) ultra - high - thermostabilisation								(UHT) ultra - high - thermostabilisation					
metres / ft per reel - size	1	600/1968	600/1968	600/1968	500/1640	500/1640	400/1312	400/1312	200/656	600/1968	600/1968	500/1640	400/1312	400/1312	200/656
metres / ft per reel - size	2	1525/5000	1525/5000	1525/5000	915/3000	915/3000	915/3000	915/3000	500/1640	1525/5000	1525/5000	915/3000	915/3000	915/3000	500/1640
colours		standard colours yellow - red, special colours on request													



### LANEX POWERLINE UNO:

The most common paper carrier rope. Easy to splice, highest wear and temperature resistant for long life in dryer sections. UNO ropes must run under sufficient rope tension to avoid swinging and flapping. The grooves must be wide enough to keep the thicker splice part.



### LANEX POWERLINE DUO:

The best rope for size presses and coaters, as no abrasive particles come inside the rope. The splice must be done strictly according to the splicing instructions. Very little thickening at the splicing part. DUO ropes run smooth also under low tension.

The **POWERLINE XLS** with permanent neon impregnation offers the lowest dynamic stretch, compared with permanent bright coloring.



**LANEX splicing instruction**  
for types UNO and DUO are  
available on CD-ROM and  
printed manuals .

### LANEX WORKING TOOLS

The quality of the splice is extremely important for the rope – performance. LANEX has the easy-splicing needle for braided ropes, special rope-shears and clear understandable splicing – instructions. Technical manuals help to eliminate rope-failures. Using the unique rope – tensioning devise the splicing work can be done by one man. This makes it faster and helps to reduce downtime. LANEX splicing instruction for types UNO and DUO are available on CD-ROM and printed manuals